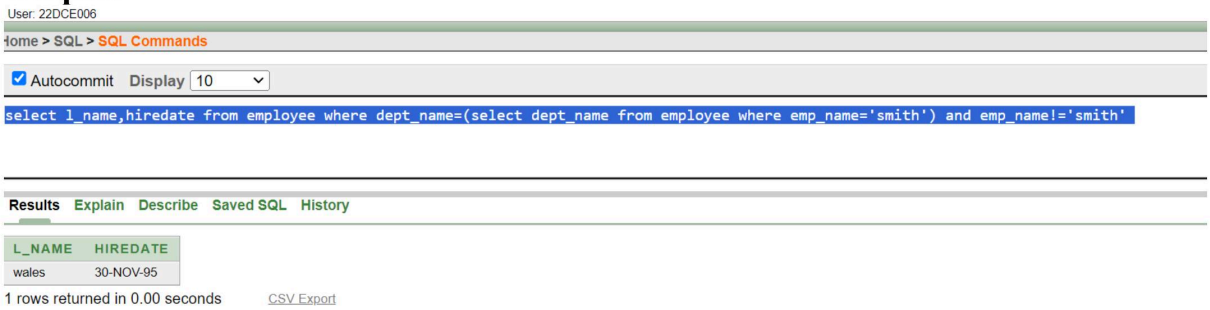
Practical 7

Aim: To solve queries using the concept of sub query.

(1) Write a query to display the last name and hire date of any employee in the same department as smith. Exclude smith

Query: select l_name,hiredate from employee where dept_name=(select dept_name from employee where emp_name='smith') and emp_name!='smith'

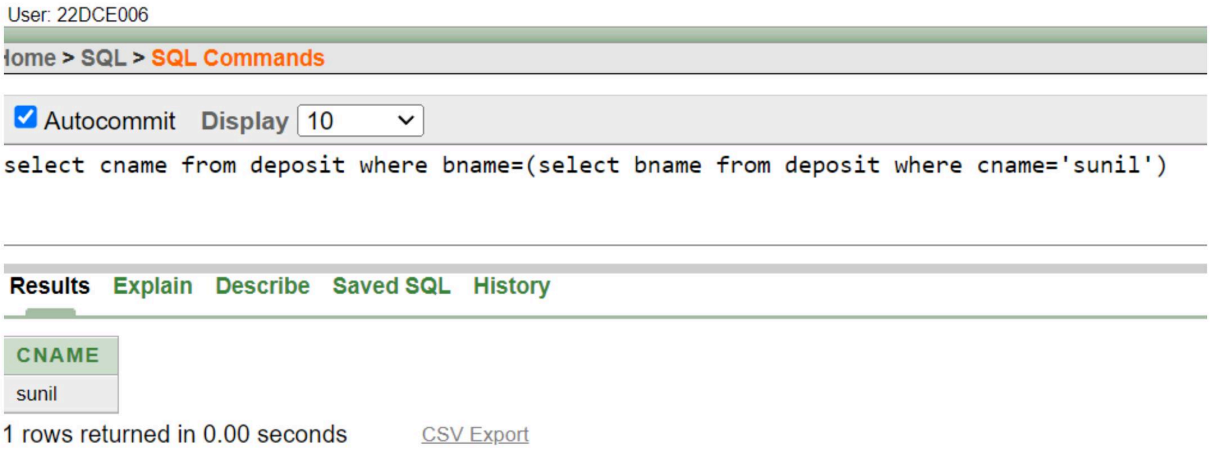
Output:



(2) Give name of customers who are depositors having same branch city of mr. sunil.

Query: select cname from deposit where bname=(select bname from deposit where cname='sunil')

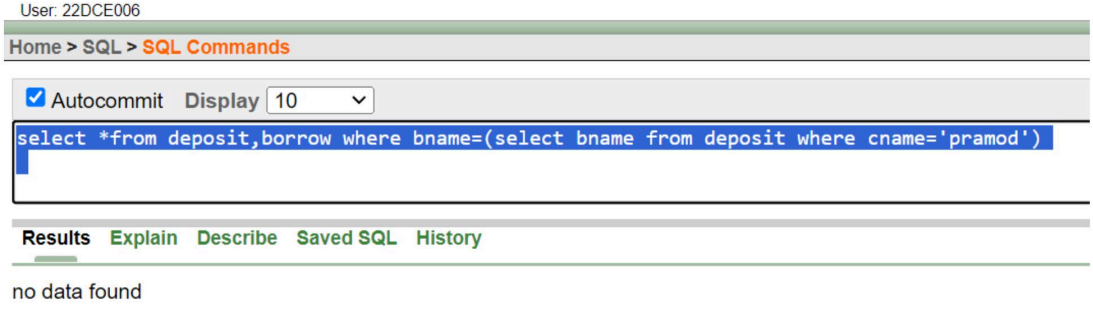
Output:



(3) Give deposit details and loan details of customer in same city where pramod is living.

Query: select *from deposit,borrow where bname=(select bname from deposit where cname='pramod')

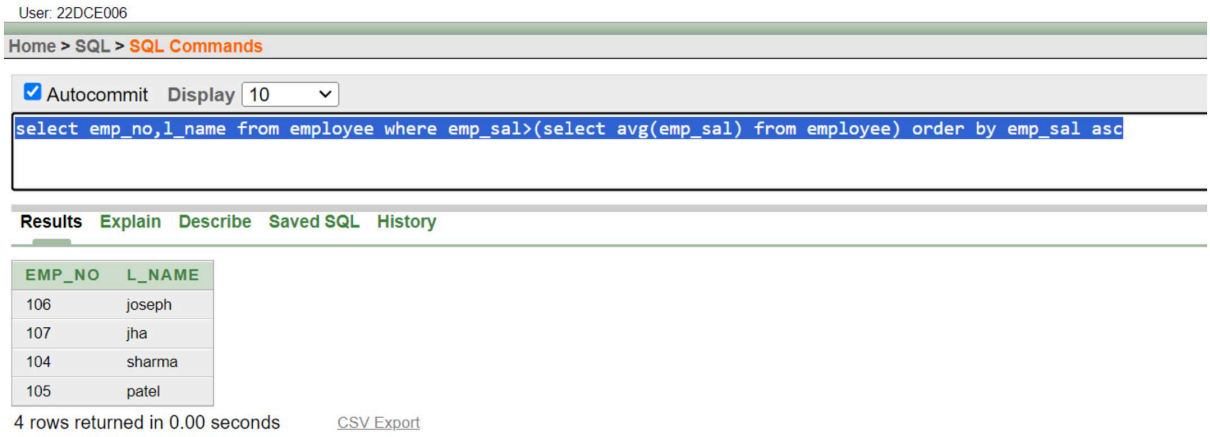
Output:



(4) Create a query to display the employee numbers and last names of all employees who earn more than the average salary. Sort the results in ascending order of salary.

Query: select emp_no,l_name from employee where emp_sal>(select avg(emp_sal) from employee) order by emp_sal asc

Output: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Home > SQL > SQL Commands

Autocommit Display 10

```
select emp_no,l_name from employee where emp_sal>(select avg(emp_sal) from employee) order by emp_sal asc
```

Results Explain Describe Saved SQL History

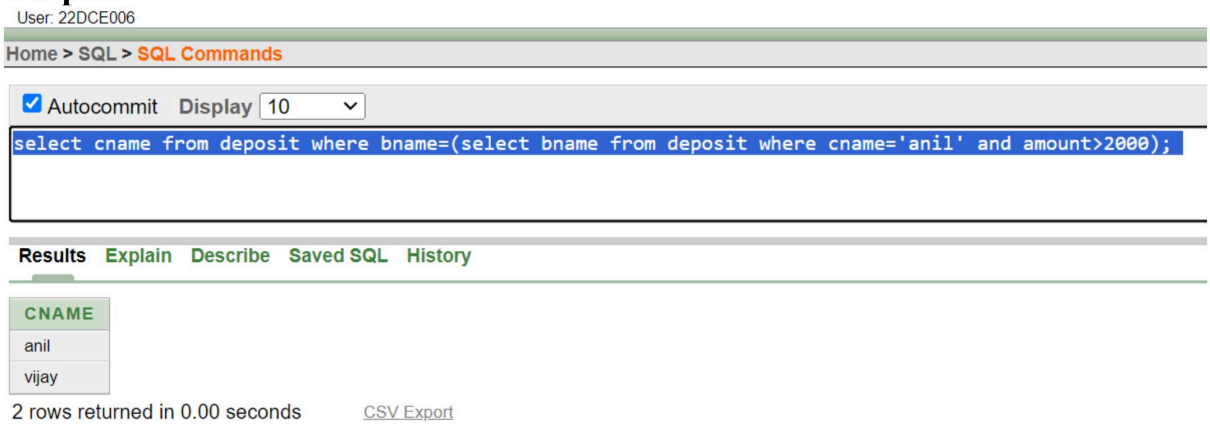
EMP_NO	L_NAME
106	joseph
107	jha
104	sharma
105	patel

4 rows returned in 0.00 seconds CSV Export

(5) Give names of depositors having same living city as mr. anil and having deposit amount greater than 2000

Query: select cname from deposit where bname=(select bname from deposit where cname='anil' and amount>2000);

Output:


User: 22DCE006

Home > SQL > SQL Commands

Autocommit Display 10

```
select cname from deposit where bname=(select bname from deposit where cname='anil' and amount>2000);
```

Results Explain Describe Saved SQL History

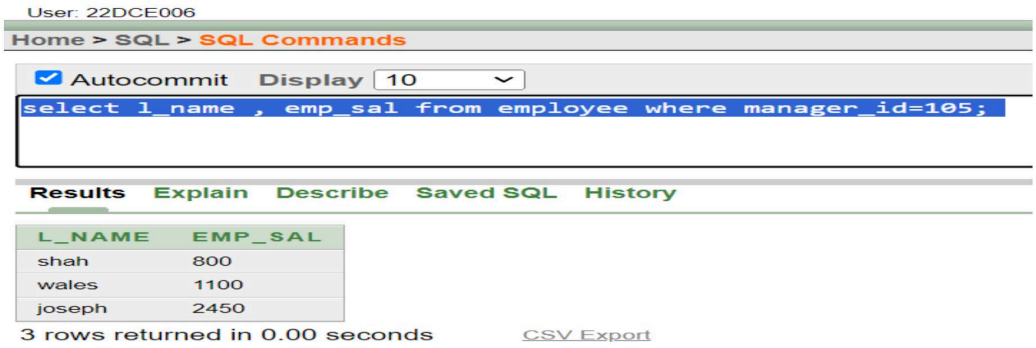
CNAME
anil
vijay

2 rows returned in 0.00 seconds CSV Export

(6) Display the last name and salary of every employee who reports to patel.

Query: select l_name , emp_sal from employee where manager_id=105;

Output:


User: 22DCE006

Home > SQL > SQL Commands

Autocommit Display 10

```
select l_name , emp_sal from employee where manager_id=105;
```

Results Explain Describe Saved SQL History

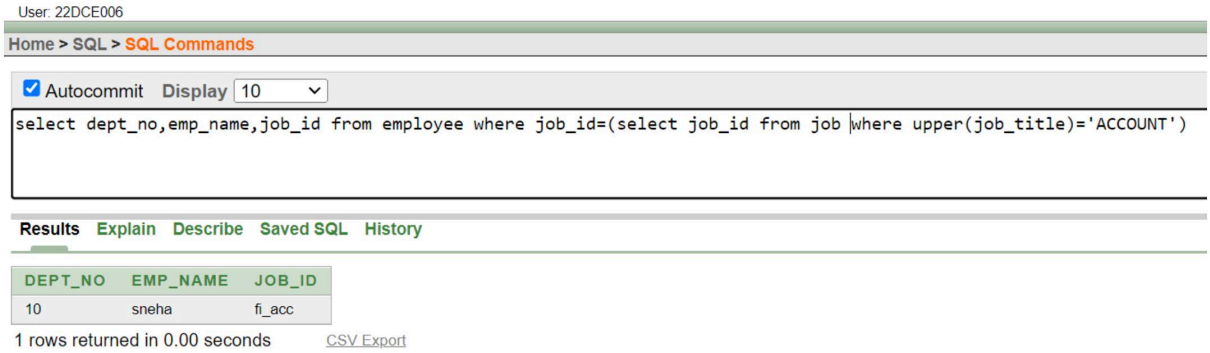
L_NAME	EMP_SAL
shah	800
wales	1100
joseph	2450

3 rows returned in 0.00 seconds CSV Export

(7) Display the department number, name, and job for every employee in the accounting department.

Query: select dept_no,emp_name,job_id from employee where job_id=(select job_id from job where upper(job_title)='ACCOUNT')

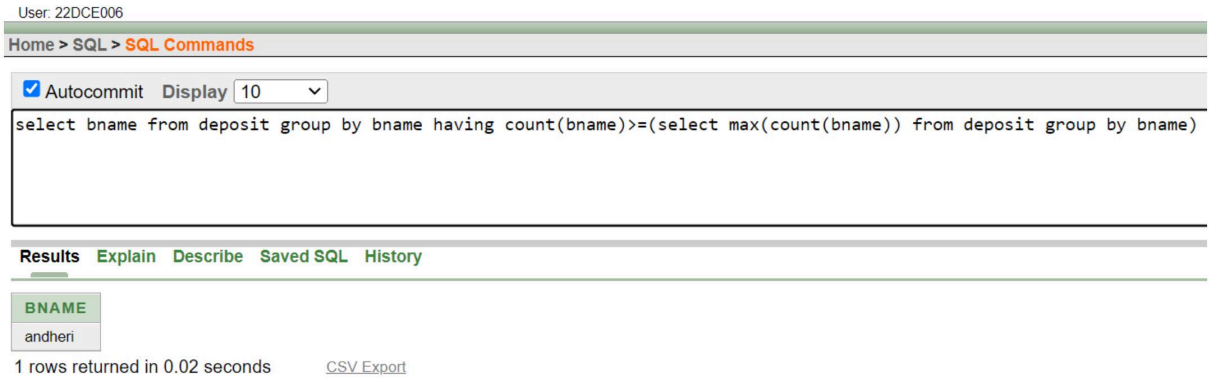
Output:



(8) List the name of branch having highest number of depositors.

Query: select bname from deposit group by bname having count(bname)>=(select max(count(bname)) from deposit group by bname)

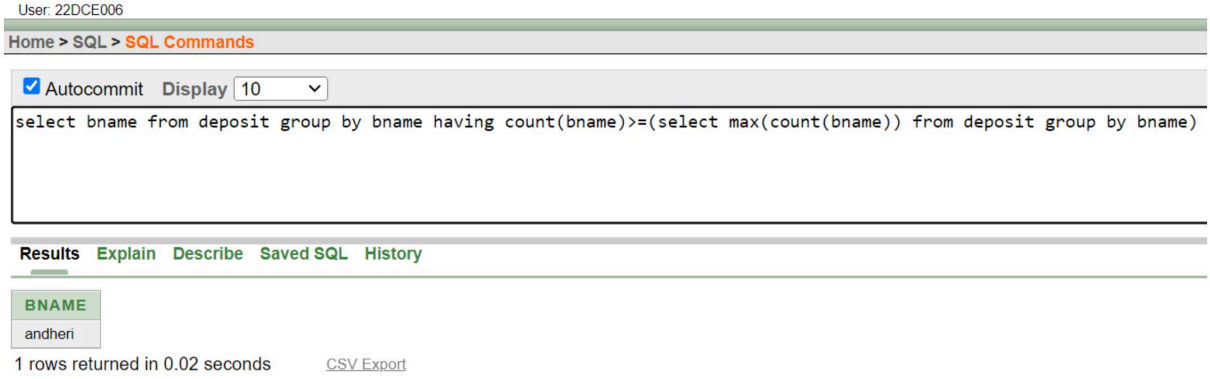
Output:



(9) Give the name of cities where in which the maximum numbers of branches are located.

Query: select bname from deposit group by bname having count(bname)>=(select max(count(bname)) from deposit group by bname)

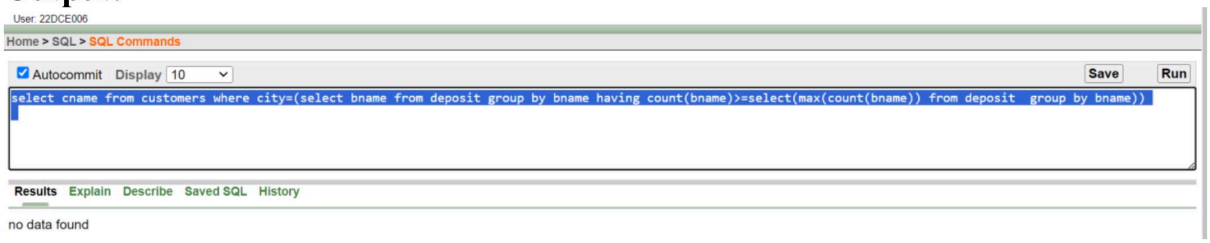
Output:



(10) Give name of customers living in same city where maximum depositors are located.

Query: select cname from customers where city=(select bname from deposit group by bname having count(bname)>=select(max(count(bname)) from deposit group by bname))

Output:



Conclusion: From this practical I learned about different aggregate functions , application of sub-queries and other SQL group functions.

Staff Signature:

Grade:

Remarks by the Staff: